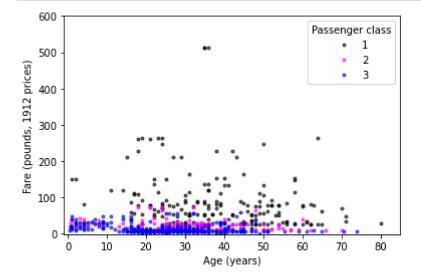
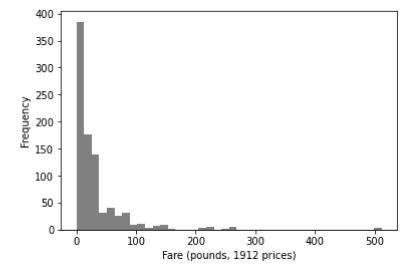
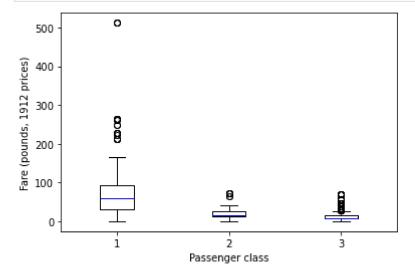
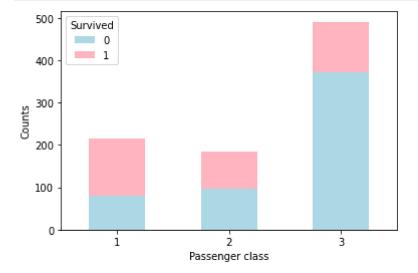
```
In [1]:
          import matplotlib.pyplot as plt
          import pandas as pd
          import numpy as np
          %matplotlib inline
In [2]:
          df = pd.read_csv('train.csv', sep=',',header=0)
In [3]:
          print(df.shape)
          df.head(n=3)
         (891, 12)
Out[3]:
            PassengerId Survived Pclass
                                             Name
                                                       Sex Age SibSp Parch
                                                                                  Ticket
                                                                                             Fare Cabin Em
                                            Braund,
                                                                                     A/5
         0
                      1
                                0
                                                      male 22.0
                                                                             0
                                                                                           7.2500
                                          Mr. Owen
                                                                                                    NaN
                                                                                   21171
                                              Harris
                                           Cumings,
                                           Mrs. John
                                            Bradley
         1
                      2
                                1
                                                     female 38.0
                                                                            0 PC 17599 71.2833
                                                                      1
                                                                                                    C85
                                           (Florence
                                             Briggs
                                               Th...
                                          Heikkinen,
                                                                               STON/O2.
         2
                      3
                                1
                                       3
                                              Miss.
                                                    female 26.0
                                                                     0
                                                                                           7.9250
                                                                                                   NaN
                                                                                 3101282
                                              Laina
In [4]:
          df_scatter = df.plot.scatter('Age', 'Fare', c = "black", s = 7)
          plt.xlabel('Age (years)')
          plt.ylabel('Fare (pounds, 1912 prices)')
          df_scatter.set_xlim(-1, 85)
          df_scatter.set_ylim(-1, 600)
          plt.show(df_scatter)
            600
            500
         Fare (pounds, 1912 prices)
            400
            300
            200
            100
                      10
                                                                 80
                            20
                                        40
                                                     60
                                                           70
                                      Age (years)
```



```
In [11]:
    df_hist = df.Fare.plot.hist(bins = 40, color = 'grey')
    plt.xlabel('Fare (pounds, 1912 prices)')
    plt.show(df_hist)
```







```
In [ ]:
```